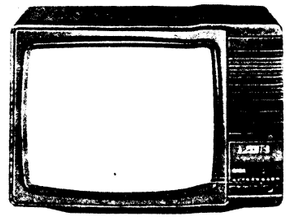
# SABA Service-Schaltbild

## ULTRACOLOR T 51 S 51 telecommander
## ULTRACOLOR T 56 S 52 tc 39
## ULTRACOLOR T 51 S 52 tc 39
## ULTRACOLOR T 8514 S telecommander
## ULTRACOLOR T 56 S 51 telecommander

**FF 160 – T 51 S 51**
**FF 169 – T 56 S 52**
**FF 172 – T 51 S 52**
**FF 188 – T 8514 S**
**FF 201 – T 56 S 51**



T 51 S 51

**Schema di servizio · Service circuit diagram · Documentation technique**

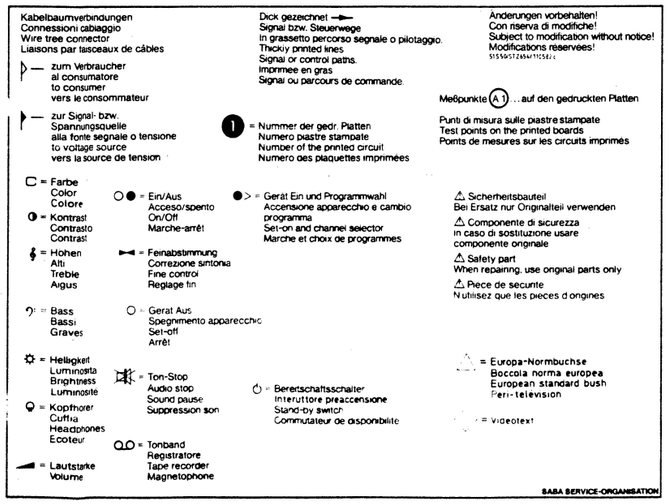
**Service-Einstellungen · Regolazioni di servizio · Service Adjustments · Réglages de service**

| Pos. No. | Pos. No. (1) ... (29) Seite/Pagina/Page 1/2 |
|---|---|
| | **Hauptspannung, Tensione principale, Principal voltage, Tension principale** } +112V U1 |
| (26) | 1. ◑ ☼ min. 2. PP01=112 V ± 1 V (42) |
| (24) | **H. Frequ., Freq. orizz.** |
| (25) | 1. (L 4) 2. PL 02 |
| (17) | **V. Frequ., Freq. vert.** PF 01 |
| (27) | PF 02 V.-Ampl. PF 04 V.-Pos. |
| (28) | |
| (29) | PL 01 H.-Pos. |

| Pos. No. | Pos. No. (1) ... (29) Seite/Pagina/Page 1/2 |
|---|---|
| | **5,5 MHz min.** |
| (15) | 1. Oscilloscope (29) 2. LV07: 5,5 MHz min. |
| | **4,43 MHz min.** |
| (16) | 1. Oscilloscope (29) 2. LV09: 4,43 MHz min. |
| | **Referenz-Oszillator 4,43 MHz Oscillatore riferimento** |
| (21) | A) FUBK Sendertestbild Monoscopio del trasmettitore FUBK transmitter test pattern Mire d'émetteur CC 14: +V, ± U farblos, senza colore, not coloured, sans couleur **oder, o, or, ou** B) Farbtestbild, Segnale barre colore, Color bar signal, mire a barres couleur 1. (2) (3) 2. (1) → 4,2 ... 4,4 V extern |
| (21) | 3. CC 14: langsames Durchlaufen der Farbbalken barre colori movimento lento until the color bars wander slowly les barres couleur défilent lentement |
| (22) (23) | **PAL-Ampl.:** PC 01 **Amp. PAL** **PAL-Phase:** LC 05 **Fase PAL** } Paarigkeit, Parità, Pairing, effet jalousie min. |

| Pos. No. | Pos. No. (1) ... (29) Seite/Pagina/Page 1/2 |
|---|---|
| | **Schirmgitterspannung, Tensione griglia schermo, Screen grid voltage, Tension grille** |
| | 1. ◑ + ☼ – min. 2. (26), (27), (28) messen, misurare, measure, mesurer. 3. $PU_{G2}$: Katode mit der höchsten Spannung auf 160 V– einstellen. Regolare il catodo con la tensione più alta su 160 V–. Adjust the cathode with the highest voltage to 160 V DC. Régler la cathode avec la plus grande tension à 160 V=. |
| (10) (9) | **Grauabgleich, Taratura dei grigi, Gray alignment, Réglage du gris** 1. ◑ – min. 2. ☼ – 1/2 2. PV 50 rot, rosso, red, rouge PV 70 blau, blu, blue, bleu |
| (19) (18) (20) | **Weißabgleich, Taratura del bianco, White Adjustment, Valeur du blanc** Schwarz/weiß-Testbild 100% weiß Monoscopio bianco/nero con bianco 100% Monochrome test pattern 100% white Mire noir/blanc avec blanc de 100% 1. ◑ – max. 2. ☼ – 1/2 3. Oscilloscope (27) 4. PV03 (grün, verde, green, vert.): 85 $V_{BA}$ 5. PV06 rot, rosso, red, rouge } weiß, bianco PV04 blau, blu, blue, bleu } white, blanc |

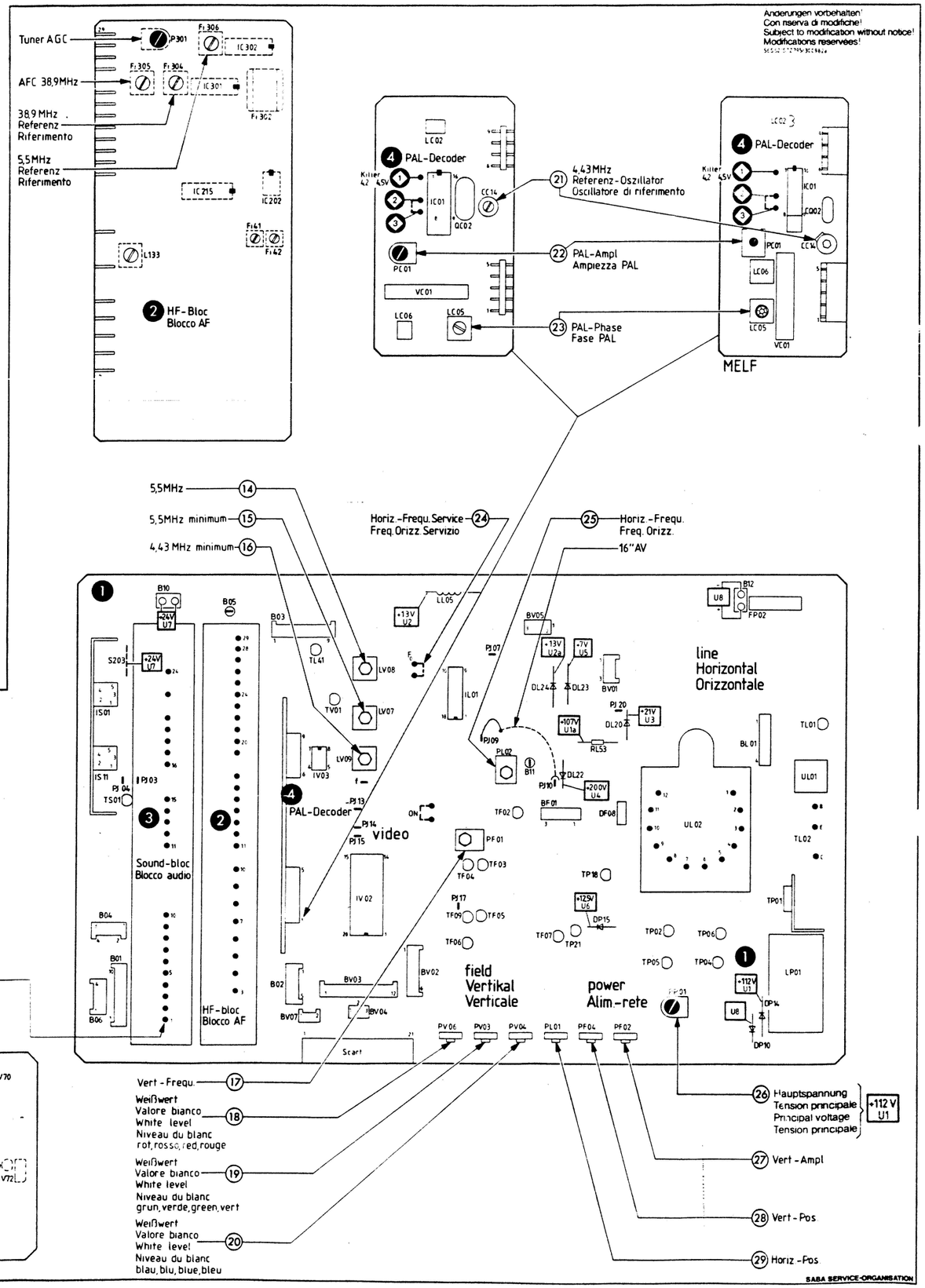
Erklärung der im Schaltbild verwendeten Symbole.
Spiegazione dei simboli usati in questo schema.
Explanation of the symbols used in the circuit diagram.
Légende des symboles utilisés dans le schéma de montage.


Kabelbaumverbindungen
Connessioni cablaggio
Wire tree connector
Liaisons par tasseaux de câbles
Dick gezeichnet
Segnali bzw. Steuerwege
In grassetto percorso segnale o pilotaggio.
Thickly printed lines
Signal or control paths.
Imprimee en gras
Signal ou parcours de commande.
Änderungen vorbehalten!
Con riserva di modifiche!
Subject to modification without notice!
Modifications reservees!
zum Verbraucher
al consumatore
to consumer
vers le consommateur
zur Signal- bzw. Spannungsquelle
alla fonte segnale o tensione
to voltage source
vers la source de tension
= Nummer der gedr. Platten
Numero piastre stampate
Number of the printed circuit
Numero des plaquettes imprimées
Meßpunkte (A1) ...auf den gedruckten Platten
Punti di misura sulle piastre stampate
Test points on the printed boards
Points de mesures sur les circuits imprimés
= Farbe Color Colore
= Kontrast Contrasto Contrast
= Hohen Alti Trebie Aigus
= Bass Bassi Graves
= Helligkeit Luminosita Brightness Luminosite
= Kopfhorer Cuffia Headphones Ecouteur
= Lautstarke Volume
= Ein/Aus Acceso/spento On/Off Marche-arrêt
= Feinabstimmung Correzione sintonia Fine control Reglage fin
= Gerat Aus Spegnimento apparecchio Set-off Arrêt
= Ton-Stop Audio stop Sound pause Suppression son
= Tonband Registratore Tape recorder Magnetophone
= Gerät Ein und Programmwahl Accensione apparecchio e cambio programma Set-on and channel selector Marche et choix de programmes
= Bereitschaftsschalter Interruttore preaccensione Stand-by switch Commutateur de disponibilité
⚠ Sicherheitsbauteil Bei Ersatz nur Originalteil verwenden
⚠ Componente di sicurezza In caso di sostituzione usare componente originale
⚠ Safety part When repairing, use original parts only
⚠ Piece de securite N'utilisez que les pieces d'origines
= Europa-Normbuchse Boccola norma europea European standard bush Fern-television
= Videotext
SABA SERVICE-ORGANISATION

Bauteilekennzeichnung der Funktionsstufen
Codice componenti con sigla dello stadio
Signification of components of the stages
Désignation des composants et des circuits

| | | | |
|---|---|---|---|
| **RC, CC, DC, TC, LC** | etc. | → **C**hroma | (PAL-Decoder, Decoder PAL) |
| **RF, CF, DF, TF, LF** | etc. | → **F**ield | (Vertikal, verticale) |
| **RL, CL, DL, TL, LL** | etc. | → **L**ine | (Horizontal, orizzontale) |
| **RP, CP, DP, TP, LP** | etc. | → **P**ower | (Netzteil, alim. rete) |
| **RS, CS, DS, TS, LS** | etc. | → **S**ound | (Audio) |
| **RV, CV, DV, TV, LV** | etc. | → **V**ideo | (Video) |

**Service-Lageplan · Posizione regolatori di servizio · Layout diagram · Disposition des régleurs**


Änderungen vorbehalten!
Con riserva di modifiche!
Subject to modification without notice!
Modifications reservees!
Tuner AGC
AFC 38,9MHz
38,9 MHz Referenz Riferimento
5,5MHz Referenz Riferimento
HF-Bloc Blocco AF
4 PAL-Decoder
21 4,43MHz Referenz-Oszillator Oscillatore di riferimento
22 PAL-Ampl Ampiezza PAL
23 PAL-Phase Fase PAL
MELF
5,5MHz 14
5,5MHz minimum 15
4,43 MHz minimum 16
Horiz.-Frequ.Service 24 Freq.Orizz.Servizio
25 Horiz.-Frequ. Freq. Orizz. 16"AV
Sound-bloc Blocco audio
HF-bloc Blocco AF
video
line Horizontal Orizzontale
field Vertikal Verticale
power Alim.-rete
Scart
Vert.-Frequ. 17
Weißwert Valore bianco White level Niveau du blanc rot,rosso,red,rouge 18
Weißwert Valore bianco White level Niveau du blanc grun,verde,green,vert 19
Weißwert Valore bianco White level Niveau du blanc blau,blu,blue,bleu 20
26 Hauptspannung Tension principale Principal voltage Tension principale +112 V U1
27 Vert.-Ampl
28 Vert.-Pos.
29 Horiz.-Pos.
5,5MHz 1
3 Sound Audio
Grauwertregler PV70 Regolatore valore dei grigi Grey scale value Réglage de gris blau,blu,blue,bleu 9
Grauwertregler PV50 Regolatore valore dei grigi Grey scale value Réglage de gris rot,rosso,red,rouge 10
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Chassis
Telaio
Chassis
Chassis

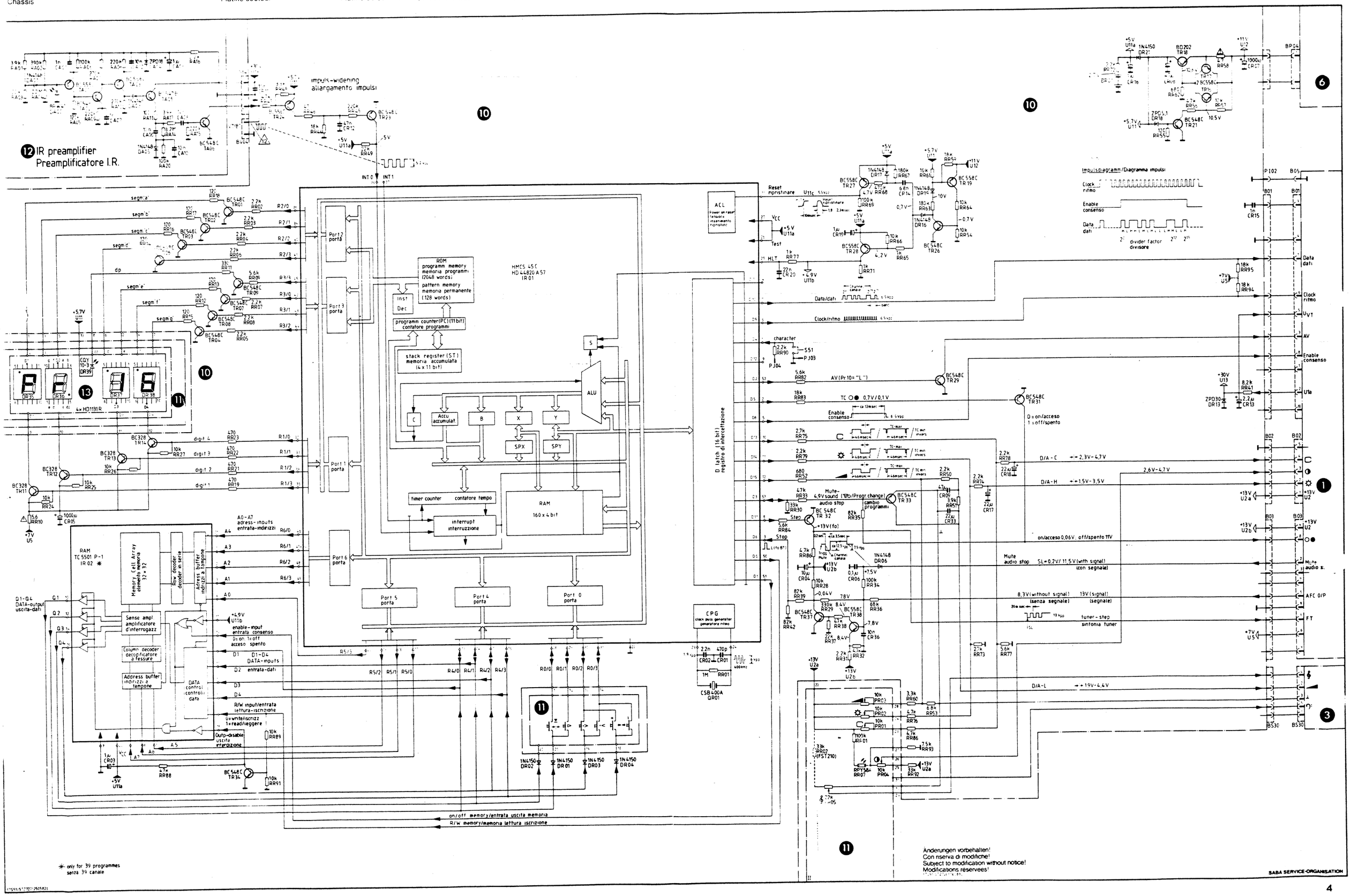
❸ Sound-bloc I No. 81000 [illegible] 00
Blocco audio I
CCIR

❻ Netzteilplatte
Piastra di rete
Mains board
Platine secteur

❿+⓫+⓭ Steuer/Regierplatte III/II No. 81050 305 00
Piastra pilotaggio/regolatori
Control system/control panel
Platine de commande/potentiometres
} T 51 S 52
T 56 S 52

❿+⓫+⓭ Steuer/Reglerplatte II/II No. 81140 305 00
Piastra pilotaggio/regolatori
Control system/control panel
Platine de commande/potentiometres
} T 51 S 51
T 8514 S
T 56 S 51

⓬ IR-Vorverstarker No. 81000 011 00
Preamplificatore IR
IR pre-amplification
Preamplification



❶ Chassis
Telaio
Chassis
Chassis

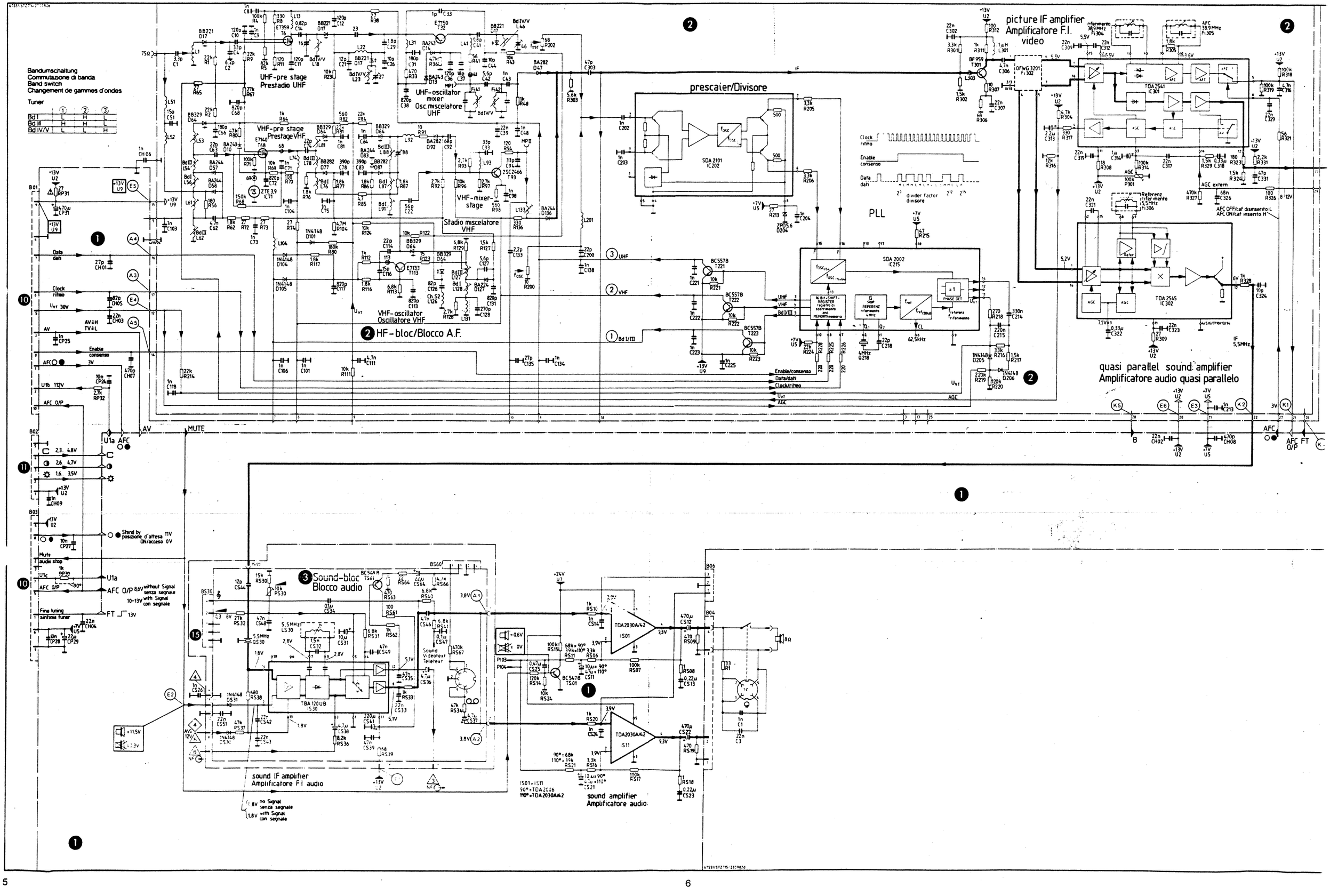
❷ HF-bloc MTS 2020 No. 80946 100 00
quasi parallel
Blocco A. F. MTS 2020
quasi parallelo

❸ Sound-bloc I No. 81000 008 00
CCIR
Blocco audio I
CCIR

❹ PAL-Decoder No. 81000 006 00
Decoder PAL (No. 81905 006 00
MELF)

❺ Bildrohren-Platte No. 81000 055 00
Piastra cinescopio
CRT-Board
Platine du tube-image

❻ Netzteilplatte
Piastra di rete
Mains board
Platine secteur



# Chassis · Telaio

❶ Chassis
Telaio
Chassis
Chassis

❷ MTS 2020 S — HF-bloc quasi parallel / Blocco A.F. quasi parallelo — No. 80946 100 00

❹ PAL-Decoder
Decoder PAL

❺ Bildrohren-Platte
Piastra cinescopio
CRT-board
Platine du tube-image — No. 81150 055 00

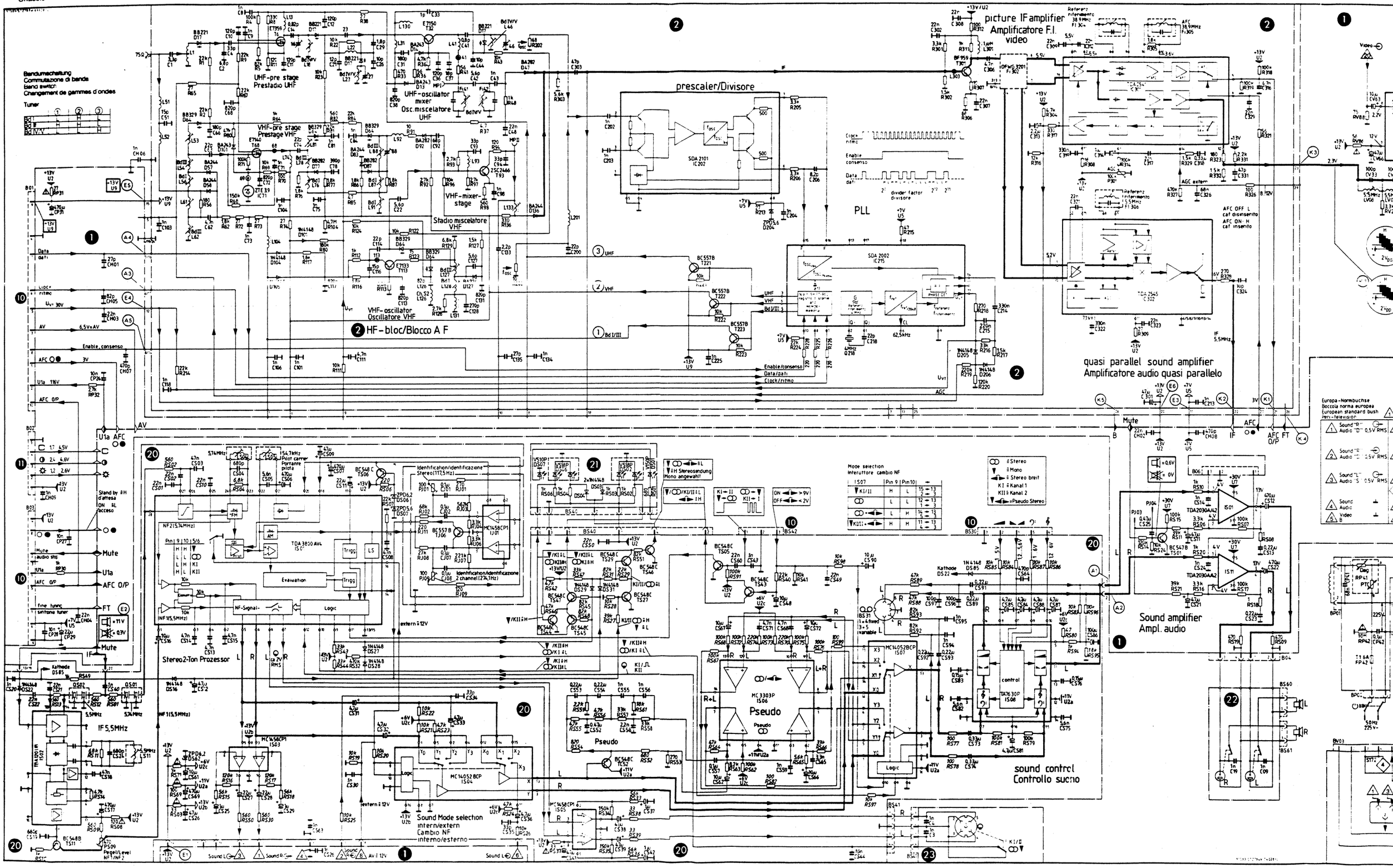
❻ Netzteilplatte
Piastra di rete
Mains board
Platine secteur

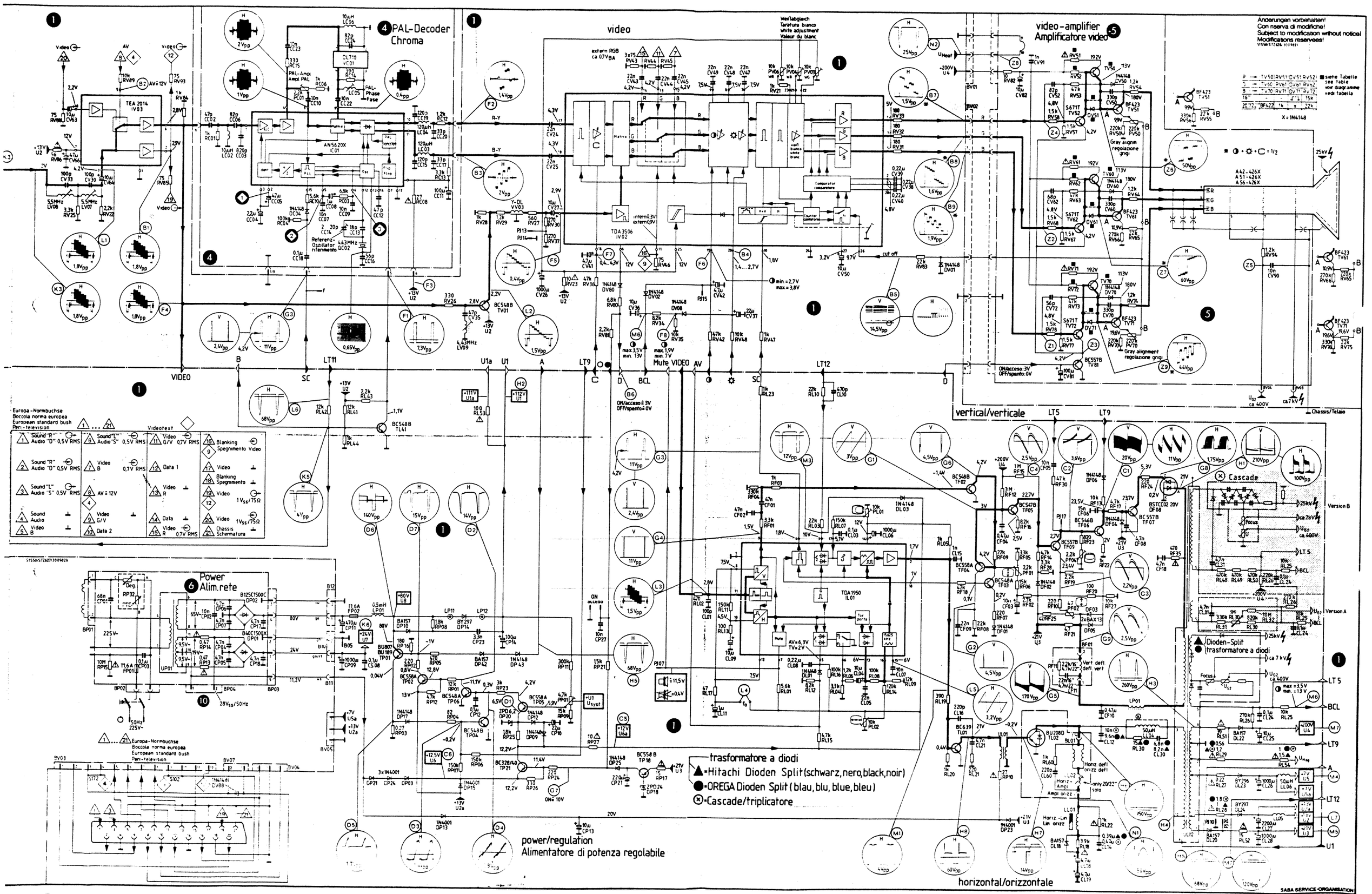
⓴ TV-Stereo-Decoder
TV-Decoder Stereo — No. 81420 408 00

㉑ Stereo-Anzeige II
Indicazione-Stereo II
Stereo indicator II

㉒ Lautsprecher-Platte
Piastra altoparlante
Loudspeaker-board
Platine H. L.

㉓ Kopfhörerplatte
Piastra cuffia
Headphone board
Platine prise casque




video
PAL-Decoder Chroma
video-amplifier
Amplificatore video
Änderungen vorbehalten!
Con riserva di modifiche!
Subject to modification without notice!
Modifications reservees!
TEA 2014 IV03
AN5620X IC01
TDA 3506 IV02
TDA 1950 IL01
Weißabgleich
Taratura bianco
white adjustment
Valeur du blanc
Referenz-Oszillator riferimento 4,43MHz
Europa-Normbuchse
Boccola norma europea
European standard bush
Peri-television
Videotext
Sound "R" Audio "D" 0,5V RMS
Sound "L" Audio "S" 0,5V RMS
Video B 0,7V RMS
AV = 12V
Video G/V 0,7V RMS
Data 1
Video R
Data 2
Blanking Spegnimento Video
Chassis Schermatura
Power Alim.rete
power/regulation
Alimentatore di potenza regolabile
vertical/verticale
horizontal/orizzontale
Cascade
Version A
Version B
Dioden-Split
trasformatore a diodi
Hitachi Dioden Split (schwarz, nero, black, noir)
OREGA Dioden Split (blau, blu, blue, bleu)
Cascade/triplicatore
Gray alignment regolazione grigi
Chassis/Telaio
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